

UMD Student outcomes Students will be able to...	1. Demonstrate competence in a major field (Knowledge)	2. Construct, integrate, and apply knowledge from instruction and experience (Knowledge)	3. Think critically and creatively in seeking solutions to practical and theoretical problems (Thinking)	4. Use ethical reasoning to make informed and principled choices (Social Responsibility and Self-Realization)	5. Demonstrate self-knowledge across a range of developmental areas (Self-Realization)	6. Communicate effectively through writing, speaking, and interpersonal and group interactions (Relationships)	7. Apply understanding of cultural differences in diverse environments (Social Responsibility)	8. Contribute to local, national, and global communities in which they live (Social Responsibility)	9. Apply life skills to succeed in college and beyond (Life Skills)
Biology B. S. and B. A. Program Outcomes Students will be able to...									
Bio-1. COGNITIVE: Describe the process of evolution by natural selection.	X								
Bio-2. COGNITIVE: Explain the basic principles of biology.	X								
Bio-3. BEHAVIORAL: Analyze and synthesize diverse and complex data and scientific literature to draw new conclusions.		X							
Bio-4. BEHAVIORAL: Demonstrate analysis of quantitative and qualitative data including entry and organization of data with spreadsheets and drawing programs and their analysis and presentation using statistics, graphs, tables and figures.		X				X			
Bio-5. BEHAVIORAL: Demonstrate communication of the results of scientific knowledge to others in both written and oral forms.	X					X			
Bio-6. BEHAVIORAL: Demonstrate proficiency with at least one instrument commonly used in biological research (microscope, etc).	X								
Bio-7. AFFECTIVE: Identify and discuss their personal ethical and cultural considerations associated with scientific inquiry and application.				X					